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(54) FRUCTOSYLAMINE OXIDASE

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a new fructosylamine oxidase reactive with fructosylvaline, and to provide a method for producing the oxidase and a method for assaying the oxidase.

SOLUTION: The fructosylamine oxidase is produced by culturing a microorganism belonging to *Arthrobacter* sp., or a transformant obtained by transforming a microorganism by a recombinant vector obtained by incorporating a DNA fragment containing a gene encoding the fructosylamine oxidase. The produced fructosylamine oxidase is specific to the fructosylvaline, and the kit sensor using the oxidase is useful for measuring glycosylated hemoglobin.

LEGAL STATUS

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